

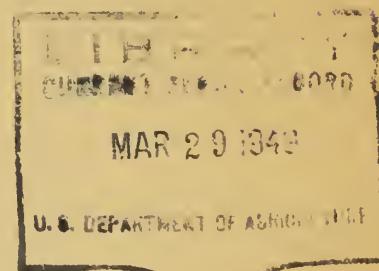
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LISTS OF PUBLICATIONS AND PATENTS
OF
BUREAU OF AGRICULTURAL AND INDUSTRIAL CHEMISTRY
AGRICULTURAL RESEARCH ADMINISTRATION
U. S. DEPARTMENT OF AGRICULTURE

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By
T. D. Jarrell



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RESEARCH PUBLICATIONS
(Classified according to subappropriation items.)

Agricultural Chemical Investigations 1/

Agricultural Chemical Research Division. (2100 Robert E. Lee Blvd., New Orleans 19, Louisiana.)

Comparison of several types of apparatus devised for the determination of volatile oil in citrus juices. By A. Laurence Curl. Assoc. Off. Agr. Chem. Jour. 30(3): 567-575, 1947.

The origin of the off-flavor which develops in processed orange juice. By A. Laurence Curl and M. K. Veldhuis. Fruit Prod. Jour. and Amer. Food Mfr. 26(11): 329-330, 342, 1947.

Concentrated orange juice storage studies. The effects of degree of concentration and of temperature of storage. By A. Laurence Curl. Canner 105 (13): 14-16, 38, 40, 42, Sept. 20, 1947.

An experiment on partial concentration as a means of standardizing low-solids orange juice. By Edwin L. Moore, L. G. MacDowell, C. D. Atkins, and Richard L. Huggart. Fruit Prod. Jour. and Amer. Food Mfrs. 27(3): 72-74, 1947. (With Fla. Citrus Commission.)

Experiments on production of feed yeasts from citrus press juice. By M. K. Veldhuis and W. O. Gordon. Citrus Indus. 29 (1): 7-9, 1948. Fla. State Hort. Soc. Proc. Pages 32-36, 1947. (With Southern Reg. Res. Lab.)

Bacteriological survey of some citrus canneries in Florida with special attention to Escherichia coli. By Roger Patrick, Fla. State Hort. Soc. Proc. Pages 36-38, 1947. Citrus Indus. 29(6): 20-21, 1948.

Some oil-soluble dyes which stain suberized deposits in orange vesicles. By Gladys S. King. Stain Technol. 22(4): 145-147, 1947.

Peripheral deposits of citrus fruit vesicles stained by oil-soluble dyes. By Gladys S. King. Amer. Jour. Botany 34(8): 427-431, 1947.

A report on preliminary studies for a replacement slab dressings dressings for candy slabs. By H. H. Hall and F. J. Fahs. Mfg. Confectioner 27(9): 40-41, 1947. (With Natl. Confectioners' Assoc.)

1/ Publications of the Enzyme Research Division are listed under "Special Research in Agriculture," although the work was supported in part by the subappropriation for Agricultural Chemical Investigations and in part by the Special Research Fund.

New concentrated puree affords outstanding texture keeping qualities: improved fruit marshmallow. By H. H. Hall and F. J. Fahs. Mfg. Confectioner 27(10): 32, 35. 1947. (With Natl. Confectioners' Assoc.)

An information study on how to use isolated proteins in hard candies. By H. H. Hall and F. J. Fahs. Mfg. Confectioner 27(11): 32, 35. 1947. (With Natl. Confectioners' Assoc.)

Report of studies on uniformity of quality of beet sugars, NO. XXVI. I. Chemical and physical studies on beet sugars of the 1946 campaign. By C. A. Fort and S. Byall; II. Biological studies of the 1946 beet sugars. By H. H. Hall and Dorothea J. Teunisson. AIC-158. (Processed.) 1947.

Sucrose, dextrose, and levulose content of some domestic varieties of sorgo at different stages of maturity. By E. K. Ventre, S. Byall, and J. L. Catlett. Jour. Agr. Res. 76(5 & 6): 145-151. 1948.

Determination of aconitic acid in sugarhouse products. By J. A. Ambler and Earl J. Roberts. Analyt. Chem. 19(11): 877-878. 1947.

The effect of pH on the stability of *cis*-aconitic acid in dilute solution. By J. A. Ambler and E. J. Roberts. Jour. Organic Chem. 13(3): 399-402. 1948.

Determination of aconitic acid in mixtures with citric acid. By J. A. Ambler and E. J. Roberts. Analyt. Chem. 19(11): 879-880. 1947.

Bacteriological changes during the fermentation of certain brined and salted vegetables. By John L. Etchells, Ivan D. Jones, and William M. Lewis. U. S. Dept. Agr. Tech. Bul. 947. 64pp. 1947. (With N. C. Agr. Expt. Sta.)

Effect of drying and storing tung seeds on quality of the oil and milling characteristics of the seeds. By Raiford L. Holmes, Frank C. Pack, and S. G. Gilbert. Amer. Oil Chem. Soc. Jour. 24(9): 311-314. 1947. (With Bur. Plant Indus., Soils, and Agr. Engin.)

Progress report on drying and storage of tung seeds. By Raiford L. Holmes and Frank C. Pack. Amer. Tung Oil Assoc. Mimeographed Circular. 1947.

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Combined absorption and titration tube for volumetric determination of carbon dioxide. By Earl J. Roberts. Analyt. Chem. 19(8): 616-617. 1947.

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Determination of flavanones in citrus fruits. By W. B. Davis. Analyt. Chem. 19(7): 476-478. 1947.

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Yield and processing quality of sweet corn varieties grown at Lewiston, Idaho. By James E. Kraus, A. M. Neubert, and G. H. Carter. Food Packer 29(5): 65-66, 68-70, 72. 1948. (With Idaho Agr. Expt. Sta.)

Harvesting freestone peaches for processing. By A. M. Neubert, C. L. Bedford, J. H. Schultz, and G. H. Carter. Wash. State Hort. Assoc. Proc. (43rd. Annual Meeting.) Pages 187-191. 1947.

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Effect of rutin on permeability of cutaneous capillaries. By Anthony M. Ambrose and Floyd DeEds. Jour. Pharmacol. and Expt. Ther. 90(4): 359-363. 1947. Abstract under title "The Protective Action of Rutin Against Capillary Injury," published in Fed. Amer. Soc. Expt. Biol. Proc. 6(No. I, pt. II): 306. 1947.

The effect of rutin on anaphylactic and histamine shock. By Robert H. Wilson and Floyd DeEds. Science 107(2780), 369-370. 1948.

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The effect of rutin and quercetin on scorbutic guinea pigs (Abs.) By Anthony M. Ambrose. Fed. Amer. Soc. Expt. Biol. Proc. 7(No. I, pt. I): 202-203. 1948.

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The carcinogenic activity of 2-acetaminofluorene. Characteristics of the lesions in albino rats. By Alvin J. Cox, Jr., Robert H. Wilson, and Floyd DeEds. Cancer Res. 7(10): 647-657. 1947. (With Stanford Univ. School of Med.)

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Pine gum, processing labor and fuel costs. By H. P. Poole and E. L. Patton. *Chem. Engin.* 54(8): 102-103. 1947.

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Recovery of rubber latex from guayule shrub. By Edwin P. Jones. *Indus. and Engin. Chem.* 40(5): 864-874. 1948.

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The small rural industry--a study of the possibility of making insulating board from straw. By E. C. Lathrop, T. R. Naffziger, and R. V. Williamson. U. S. Dept. Agr. Cir. 762. 22pp. 1947.

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